

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121415\
 Data File : BF083798.D
 Acq On : 15 Dec 2015 4:57
 Operator : UM/IZ
 Sample : G4779-13
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-38

Quant Time: Dec 15 06:14:58 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

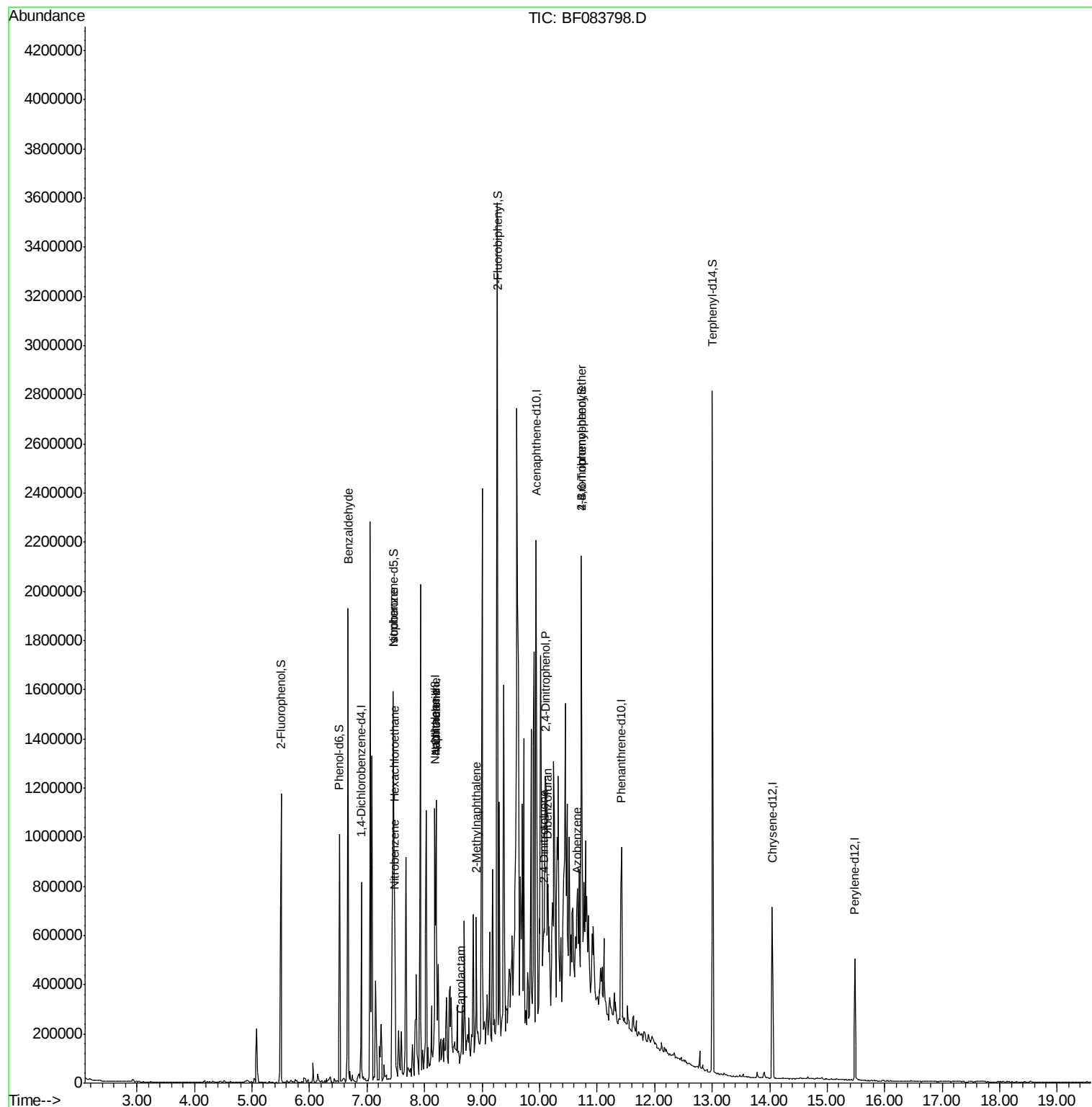
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	114654	20.00	ng	-0.02
21) Naphthalene-d8	8.18	136	397156	20.00	ng	-0.03
38) Acenaphthene-d10	9.94	164	179018	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	356827	20.00	ng	-0.02
75) Chrysene-d12	14.04	240	278752	20.00	ng	-0.03
86) Perylene-d12	15.48	264	216266	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	409721	57.65	ng	-0.02
7) Phenol-d6	6.52	99	327768	36.42	ng	-0.02
23) Nitrobenzene-d5	7.46	82	554830	78.16	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	262029	143.64	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1098900	92.43	ng	-0.02
78) Terphenyl-d14	13.00	244	1025330	79.12	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.67	77	15629	3.23	ng	Qvalue 96
18) Hexachloroethane	7.47	117	315242	99.11	ng	# 2
24) Nitrobenzene	7.48	77	20459	2.77	ng	# 21
25) Isophorone	7.46	82	544429	39.09	ng	# 69
31) Naphthalene	8.20	128	476408	23.01	ng	98
33) 4-Chloroaniline	8.20	127	72826	8.61	ng	# 34
35) Caprolactam	8.62	113	5230	2.84	ng	# 57
37) 2-Methylnaphthalene	8.90	142	123362	9.49	ng	97
53) 2,4-Dinitrophenol	10.10	184	3151	5.78	ng	# 1
54) Dibenzofuran	10.14	168	31797	2.01	ng	# 86
56) 2,4-Dinitrotoluene	10.08	165	8837	2.28	ng	# 30
62) Azobenzene	10.65	77	43415	3.37	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	16806	4.21	ng	# 1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.02 min

Lab File: BF083798.D

Acq: 15 Dec 2015 4:57

Instrument :

BNA_F

ClientSampleId :

W-38

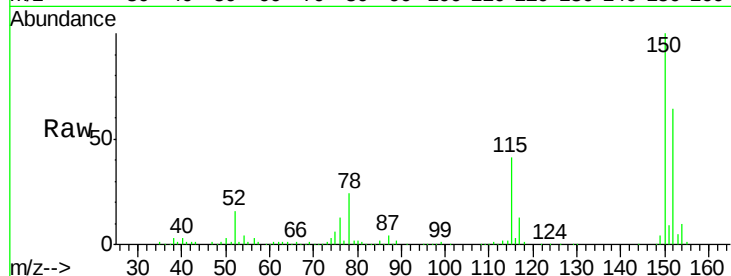
Tgt Ion:152 Resp: 114654

Ion Ratio Lower Upper

152 100

150 155.1 126.5 189.7

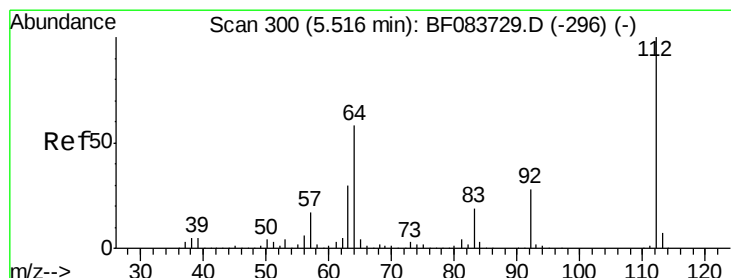
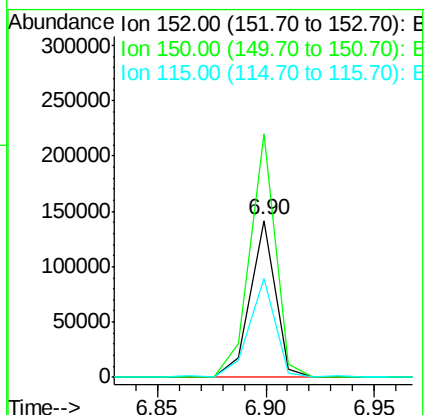
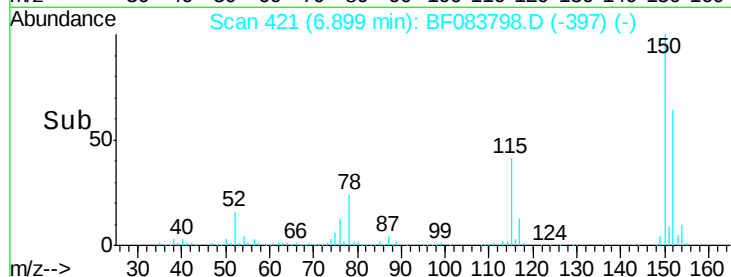
115 63.2 52.3 78.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 57.65 ng

RT: 5.50 min Scan# 299

Delta R.T. -0.02 min

Lab File: BF083798.D

Acq: 15 Dec 2015 4:57

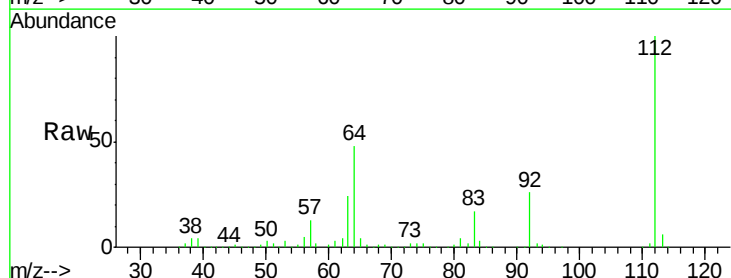
Tgt Ion:112 Resp: 409721

Ion Ratio Lower Upper

112 100

64 47.8 50.5 75.7#

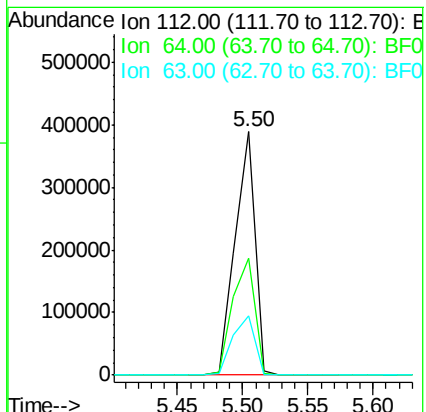
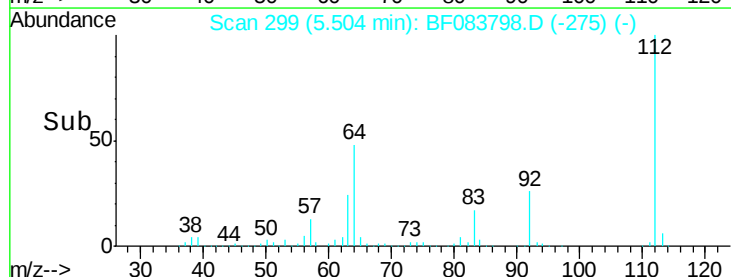
63 24.2 25.8 38.6#

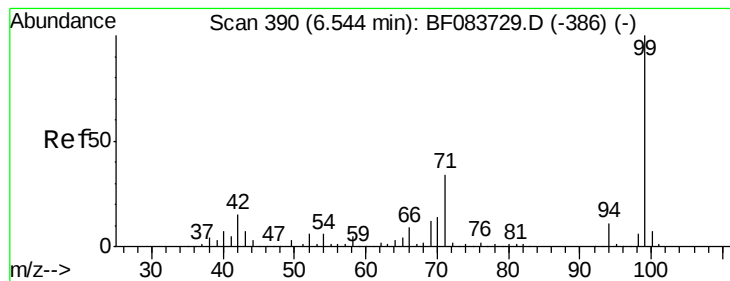


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.42 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.02 min

Lab File: BF083798.D

Acq: 15 Dec 2015 4:57

Instrument :

BNA_F

ClientSampleId :

W-38

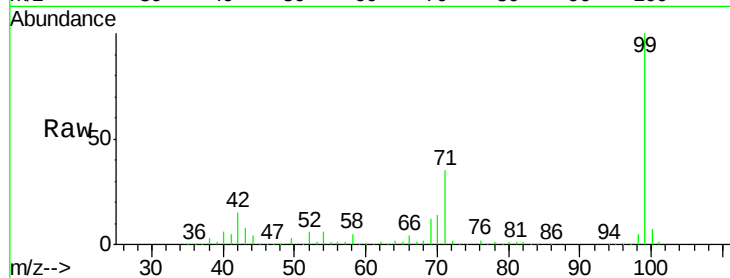
Tgt Ion: 99 Resp: 327768

Ion Ratio Lower Upper

99 100

42 15.1 17.3 25.9#

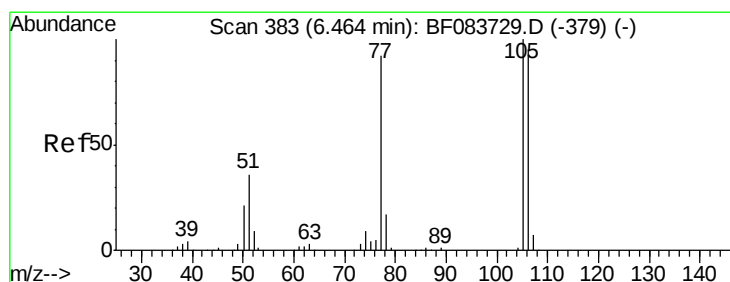
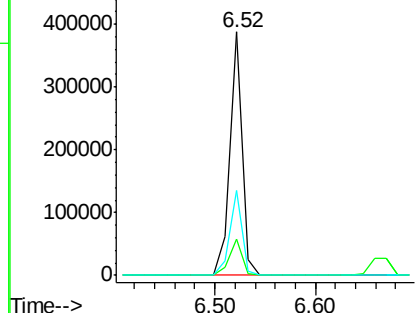
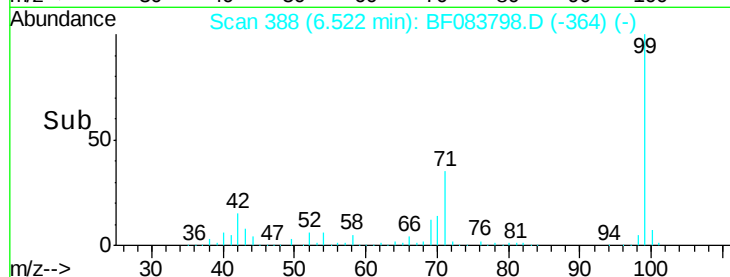
71 34.8 26.6 40.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.23 ng

RT: 6.67 min Scan# 401

Delta R.T. 0.21 min

Lab File: BF083798.D

Acq: 15 Dec 2015 4:57

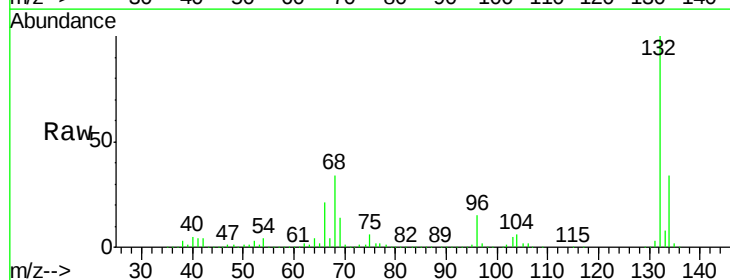
Tgt Ion: 77 Resp: 15629

Ion Ratio Lower Upper

77 100

105 89.2 71.8 111.8

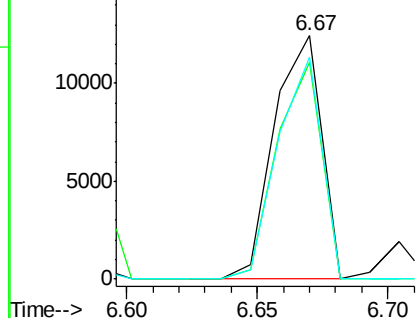
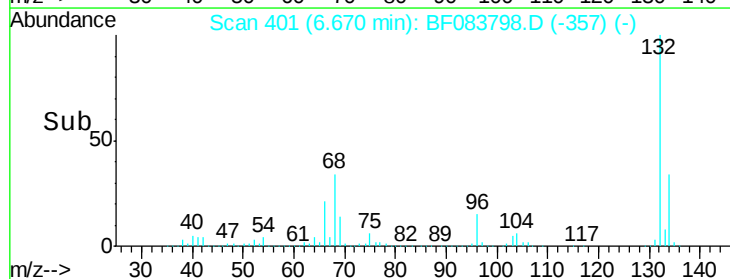
106 91.2 66.8 106.8

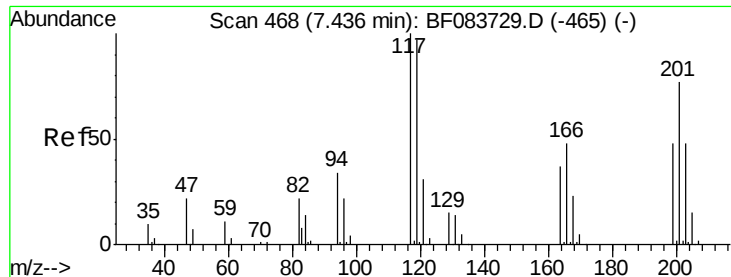


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#18

Hexachloroethane

Concen: 99.11 ng

RT: 7.47 min Scan# 471

Delta R.T. 0.02 min

Lab File: BF083798.D

Acq: 15 Dec 2015 4:57

Instrument :

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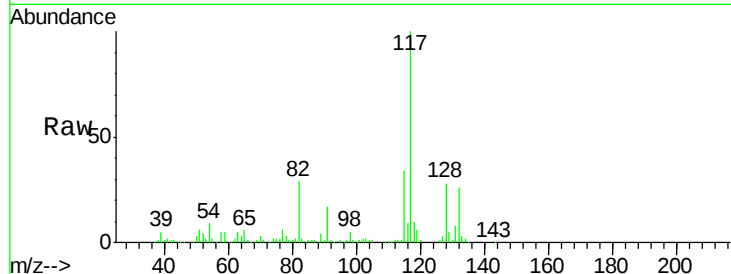
Tgt Ion:117 Resp: 315242

Ion Ratio Lower Upper

117 100

119 5.8 77.2 115.8#

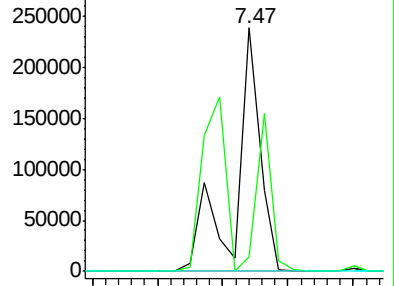
201 0.0 86.8 130.2#



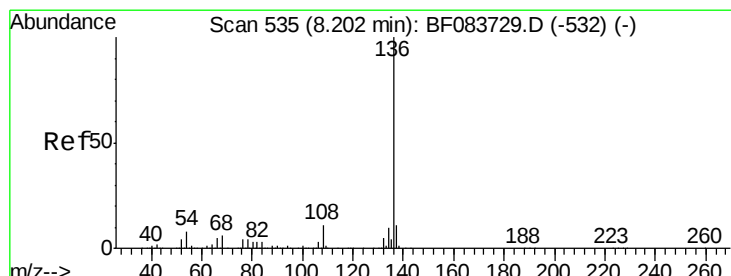
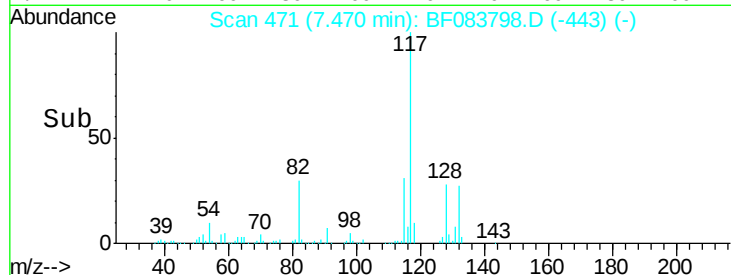
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.03 min

Lab File: BF083798.D

Acq: 15 Dec 2015 4:57

Tgt Ion:136 Resp: 397156

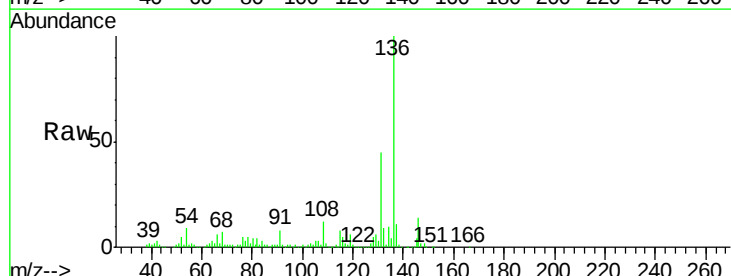
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 8.9 7.8 11.6

68 7.3 5.7 8.5

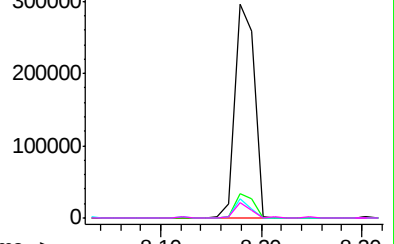


Abundance Ion 136.00 (135.70 to 136.70): E

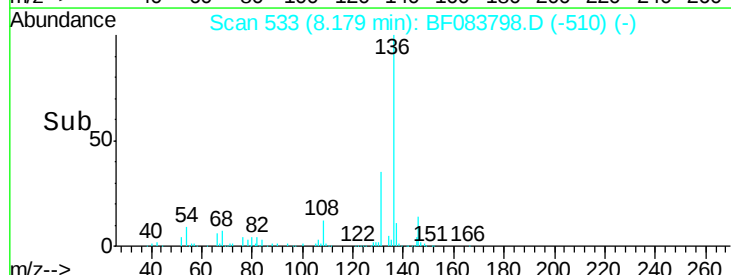
Ion 137.00 (136.70 to 137.70): E

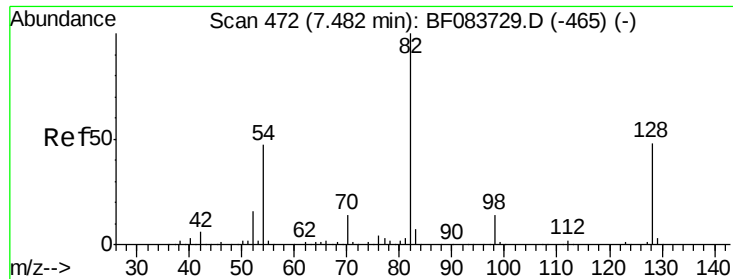
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

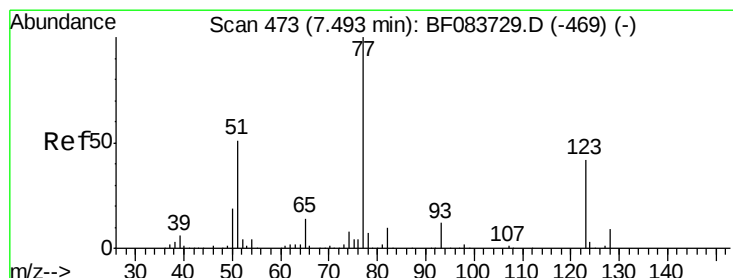
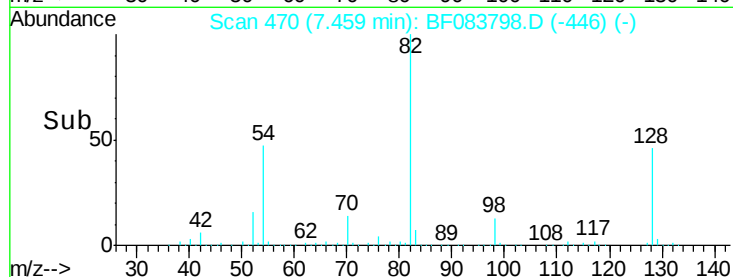
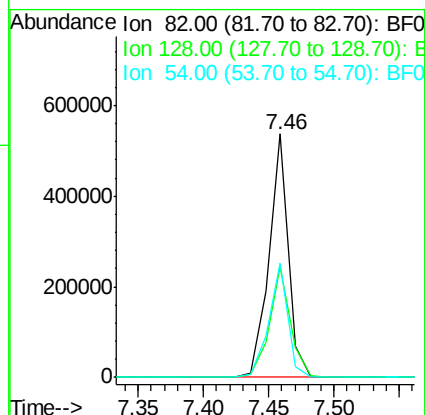
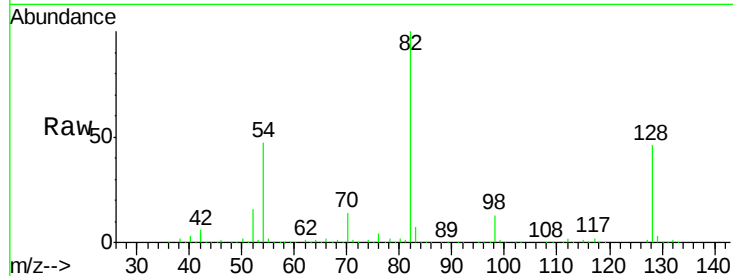




#23
Nitrobenzene-d5
Concen: 78.16 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.02 min
Lab File: BF083798.D
Acq: 15 Dec 2015 4:57

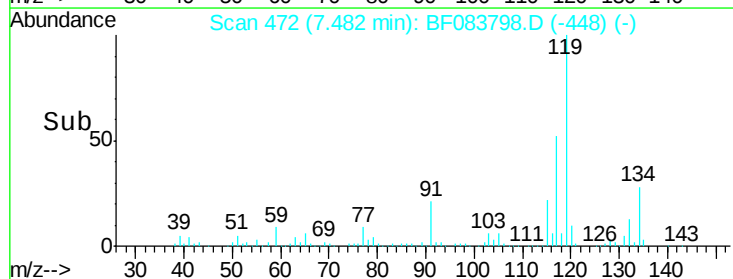
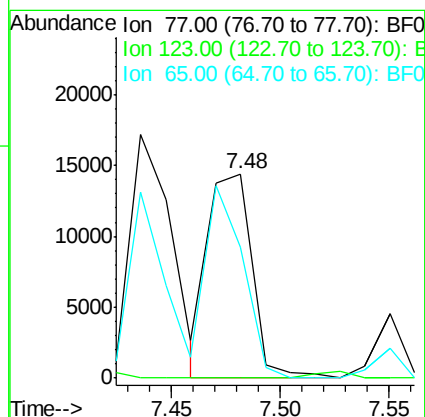
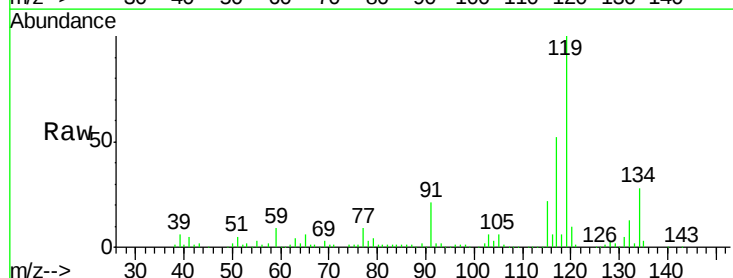
Instrument :
BNA_F
ClientSampleId :
W-38

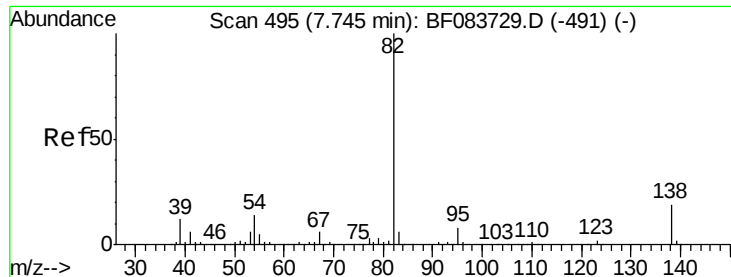
Tgt Ion: 82 Resp: 554830
Ion Ratio Lower Upper
82 100
128 45.6 30.7 46.1
54 47.1 42.5 63.7



#24
Nitrobenzene
Concen: 2.77 ng
RT: 7.48 min Scan# 472
Delta R.T. -0.02 min
Lab File: BF083798.D
Acq: 15 Dec 2015 4:57

Tgt Ion: 77 Resp: 20459
Ion Ratio Lower Upper
77 100
123 0.0 29.8 44.6#
65 63.8 11.1 16.7#





#25

Isophorone

Concen: 39.09 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.29 min

Lab File: BF083798.D

Acq: 15 Dec 2015 4:57

Instrument :

BNA_F

ClientSampleId :

W-38

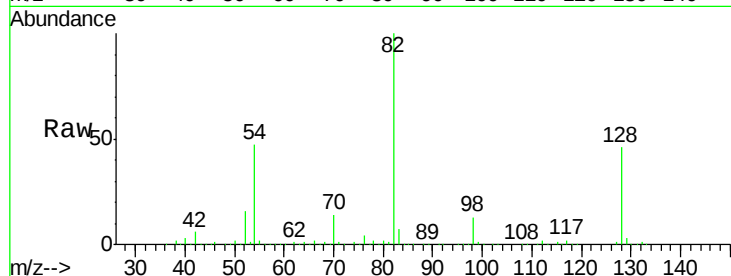
Tgt Ion: 82 Resp: 544429

Ion Ratio Lower Upper

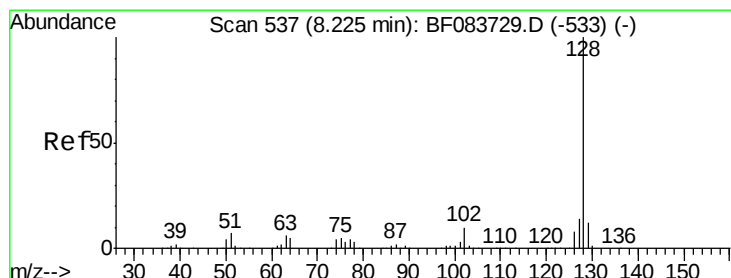
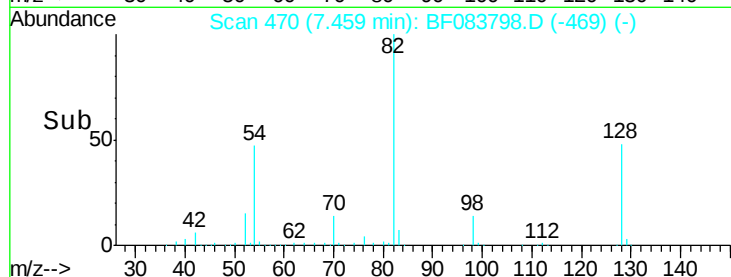
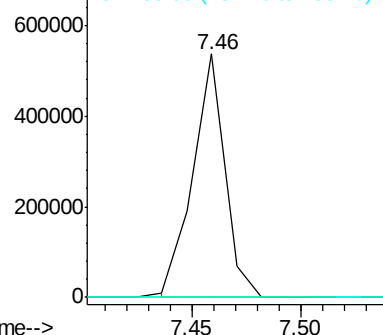
82 100

95 0.1 5.0 7.4#

138 0.0 12.1 18.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 23.01 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.03 min

Lab File: BF083798.D

Acq: 15 Dec 2015 4:57

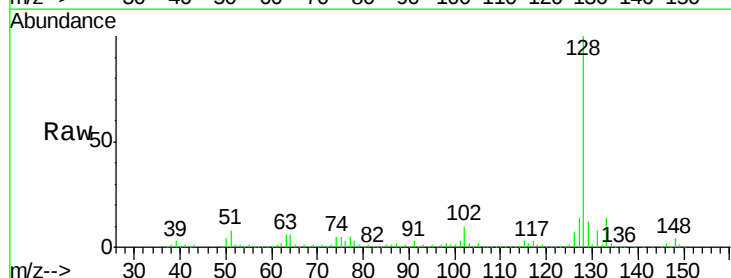
Tgt Ion: 128 Resp: 476408

Ion Ratio Lower Upper

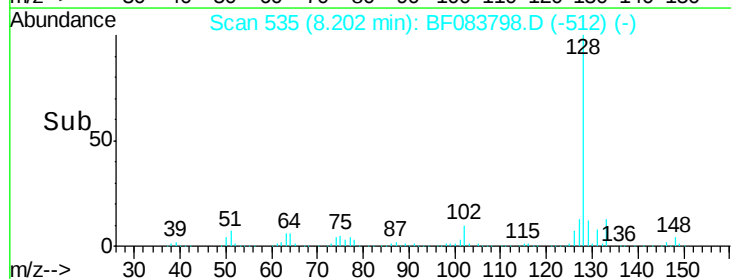
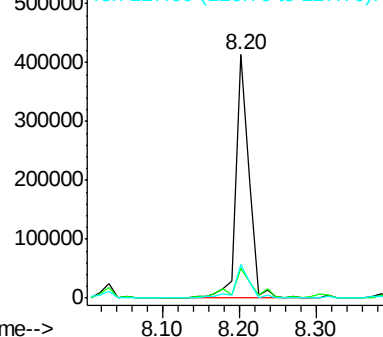
128 100

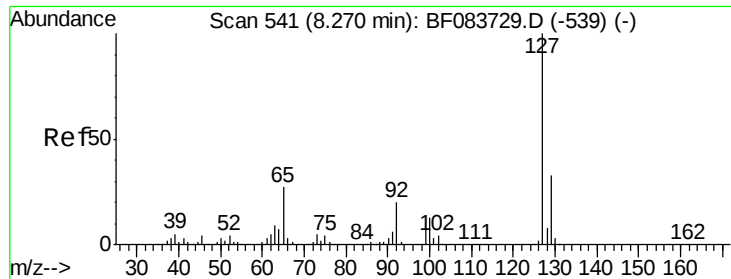
129 12.2 8.6 13.0

127 13.7 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

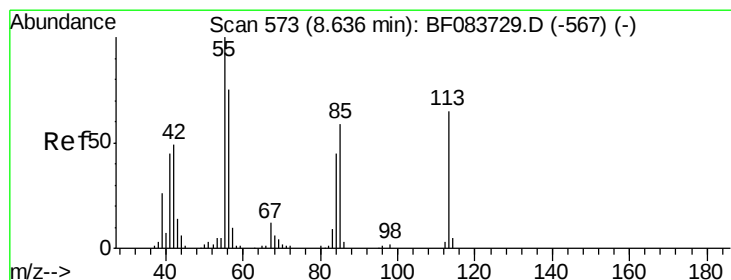
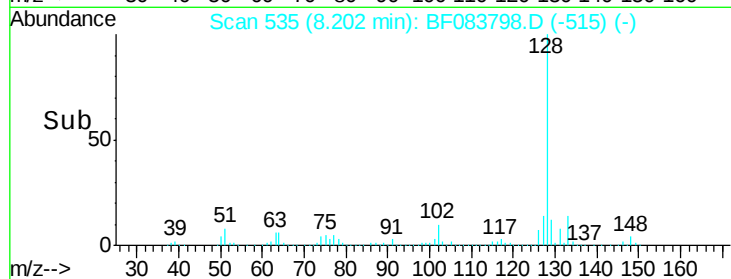
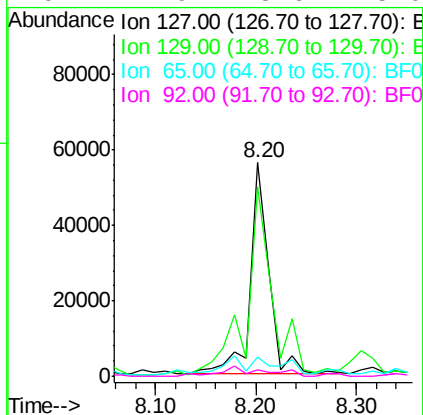
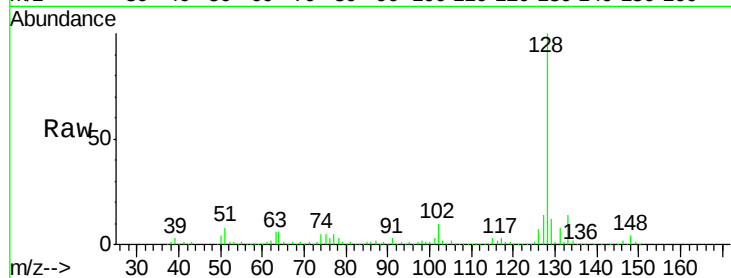




#33
 4-Chloroaniline
 Concen: 8.61 ng
 RT: 8.20 min Scan# 535
 Delta R.T. -0.07 min
 Lab File: BF083798.D
 Acq: 15 Dec 2015 4:57

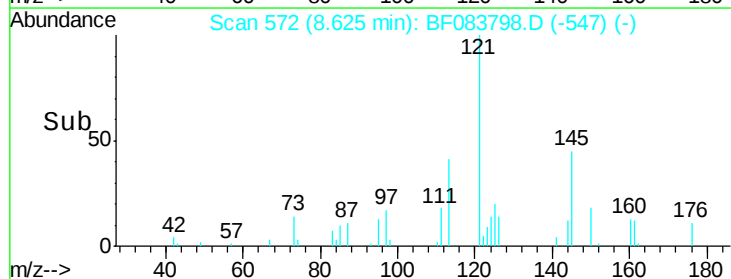
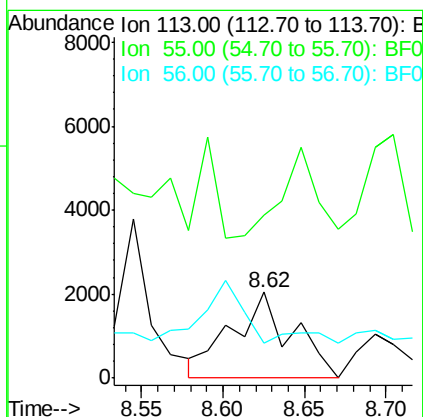
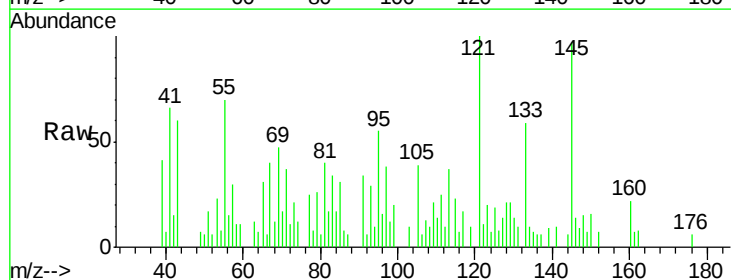
Instrument :
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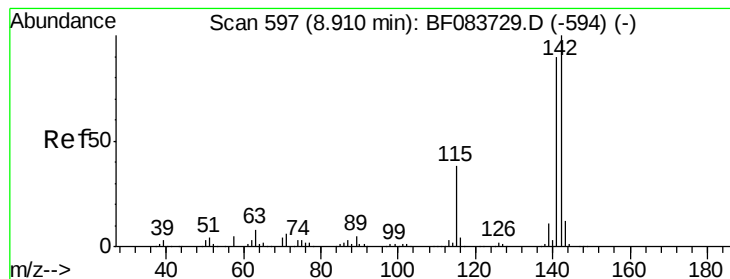
Tgt Ion:	127	Resp:	72826
Ion	Ratio	Lower	Upper
127	100		
129	88.8	26.1	39.1#
65	9.0	33.5	50.3#
92	2.9	18.6	28.0#



#35
 Caprolactam
 Concen: 2.84 ng
 RT: 8.62 min Scan# 572
 Delta R.T. -0.01 min
 Lab File: BF083798.D
 Acq: 15 Dec 2015 4:57

Tgt Ion:	113	Resp:	5230
Ion	Ratio	Lower	Upper
113	100		
55	189.6	189.7	229.7#
56	41.4	130.7	170.7#





#37

2-Methylnaphthalene

Concen: 9.49 ng

RT: 8.90 min Scan# 596

Delta R.T. -0.02 min

Lab File: BF083798.D

Acq: 15 Dec 2015 4:57

Instrument :

BNA_F

ClientSampleId :

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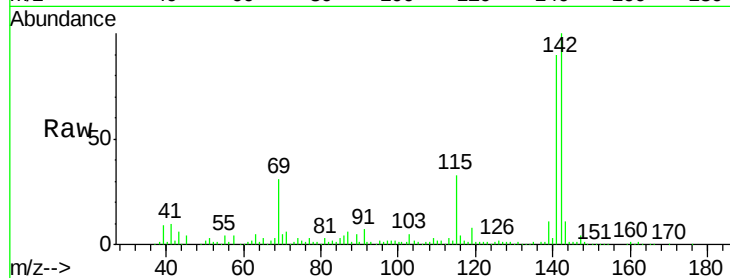
Tgt Ion:142 Resp: 123362

Ion Ratio Lower Upper

142 100

141 89.8 70.3 105.5

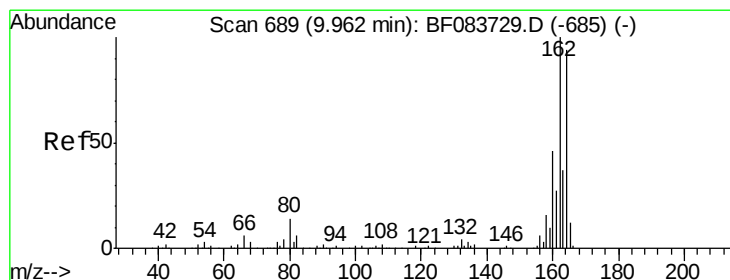
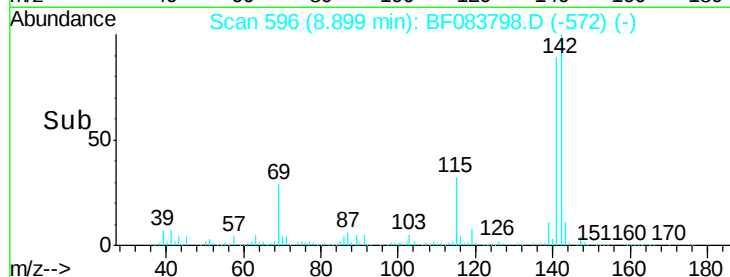
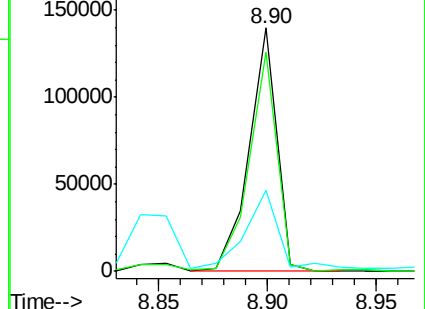
115 33.4 29.2 43.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF083798.D

Acq: 15 Dec 2015 4:57

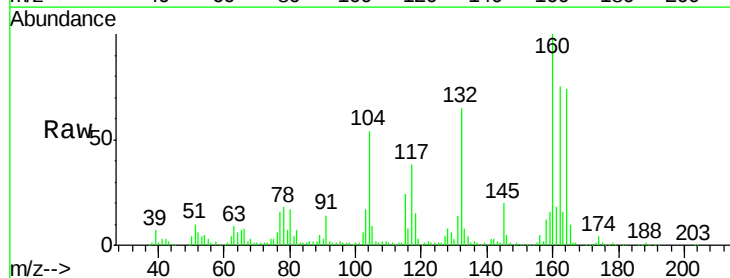
Tgt Ion:164 Resp: 179018

Ion Ratio Lower Upper

164 100

162 101.1 78.8 118.2

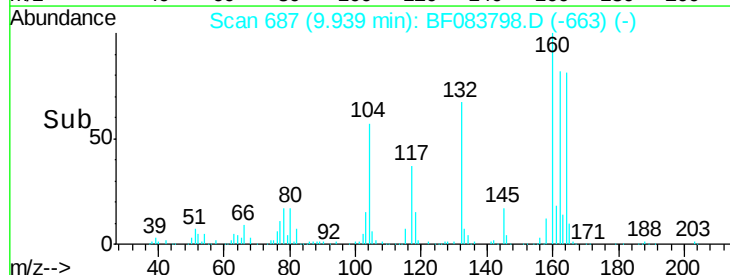
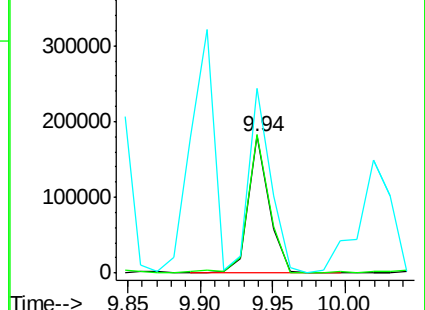
160 135.2 33.4 50.2#

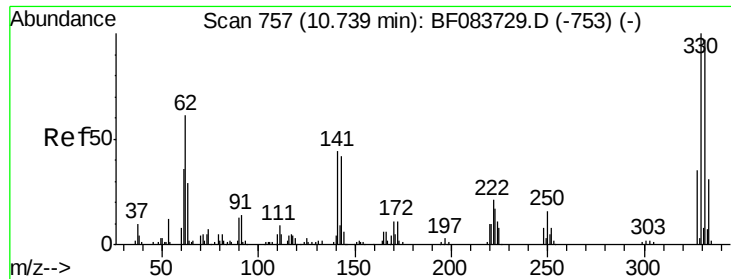


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

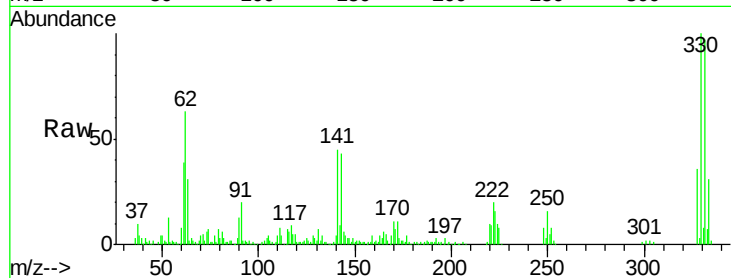




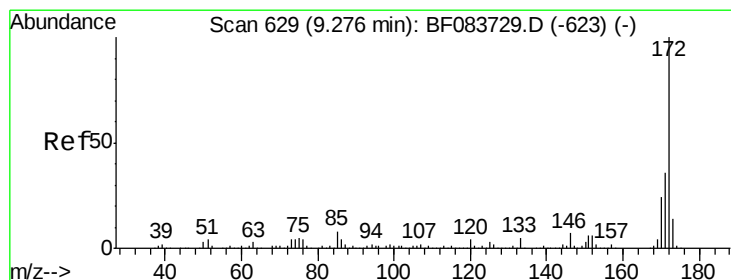
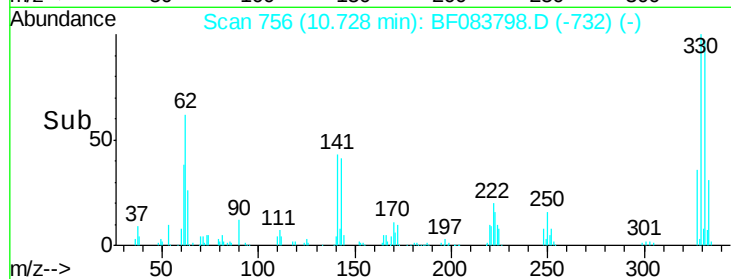
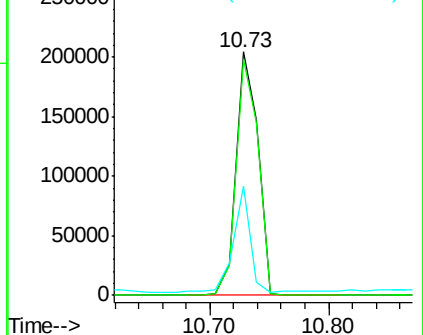
#41
 2,4,6-Tribromophenol
 Concen: 143.64 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: BF083798.D
 Acq: 15 Dec 2015 4:57

Instrument :
 BNA_F
 ClientSampleId :
 W-38

Tgt Ion:330 Resp: 262029
 Ion Ratio Lower Upper
 330 100
 332 97.5 0.0 0.0#
 141 32.3 0.0 0.0#

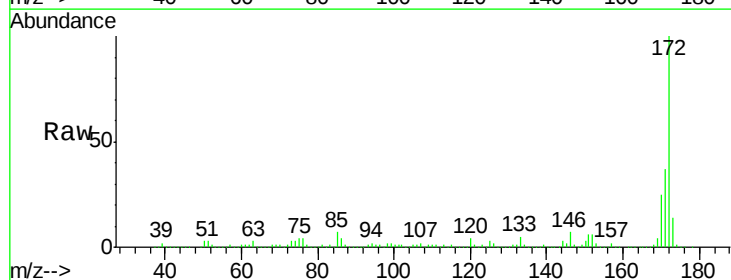


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

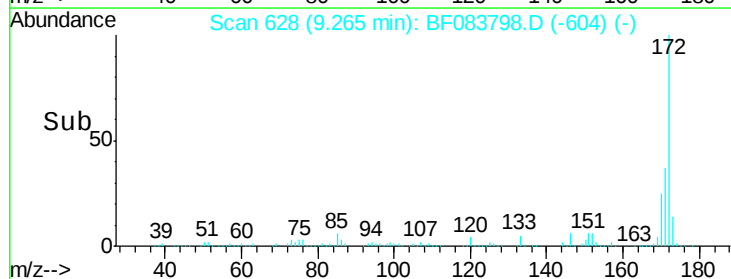
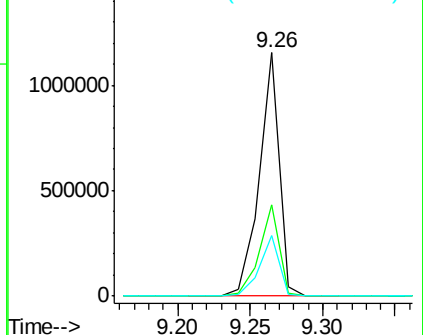


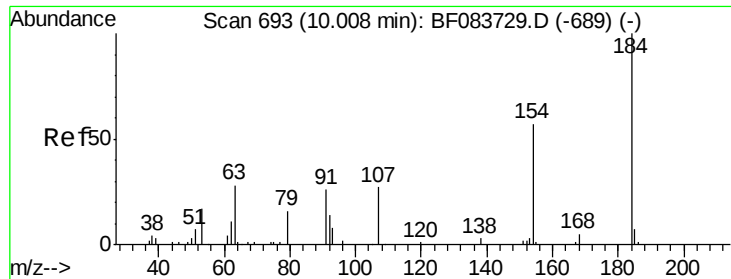
#44
 2-Fluorobiphenyl
 Concen: 92.43 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF083798.D
 Acq: 15 Dec 2015 4:57

Tgt Ion:172 Resp: 1098900
 Ion Ratio Lower Upper
 172 100
 171 37.3 28.6 42.8
 170 24.8 19.4 29.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

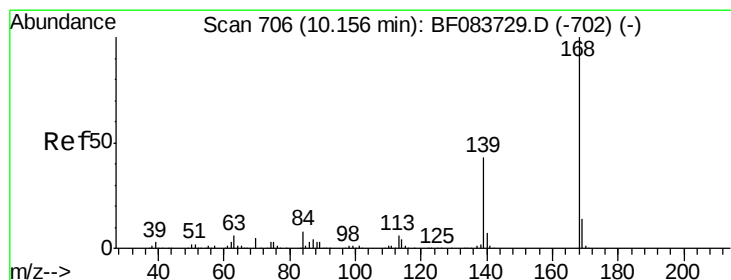
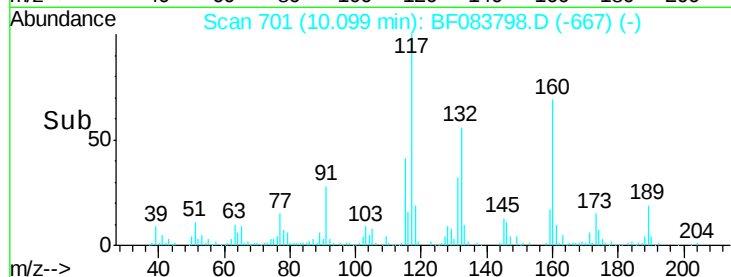
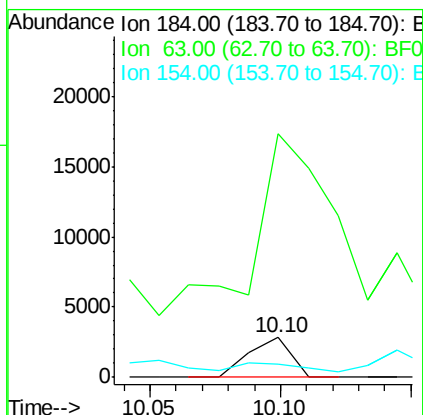
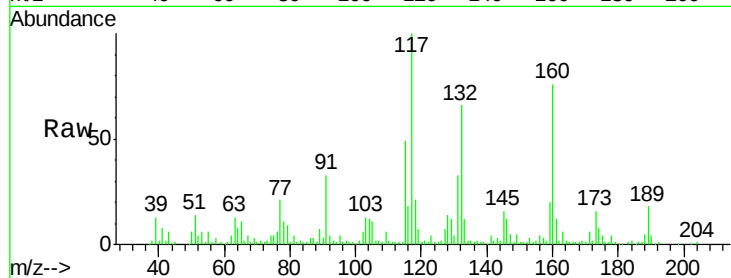




#53
2,4-Dinitrophenol
Concen: 5.78 ng
RT: 10.10 min Scan# 701
Delta R.T. 0.09 min
Lab File: BF083798.D
Acq: 15 Dec 2015 4:57

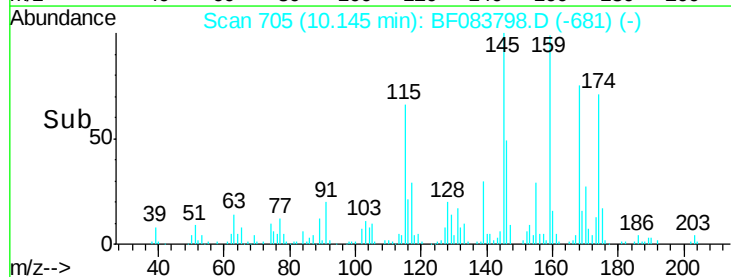
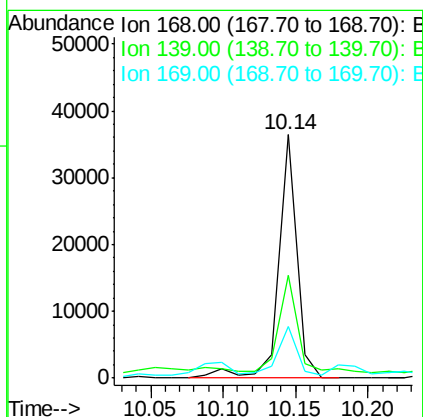
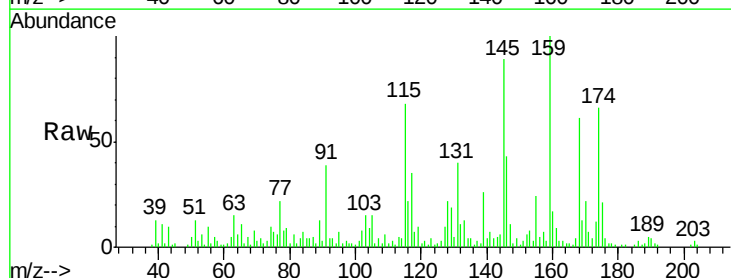
Instrument :
BNA_F
ClientSampled :
W-38

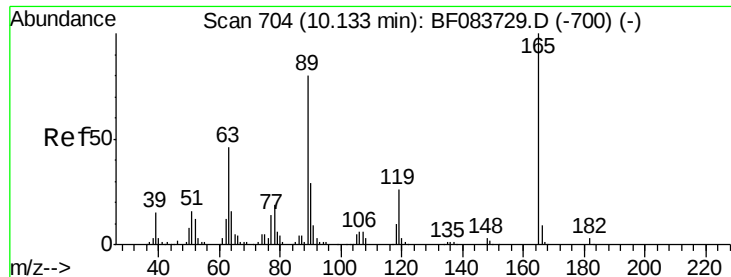
Tgt Ion:184 Resp: 3151
Ion Ratio Lower Upper
184 100
63 612.9 62.4 93.6#
154 32.9 46.6 69.8#



#54
Dibenzofuran
Concen: 2.01 ng
RT: 10.14 min Scan# 705
Delta R.T. -0.02 min
Lab File: BF083798.D
Acq: 15 Dec 2015 4:57

Tgt Ion:168 Resp: 31797
Ion Ratio Lower Upper
168 100
139 42.3 28.0 42.0#
169 21.2 10.8 16.2#

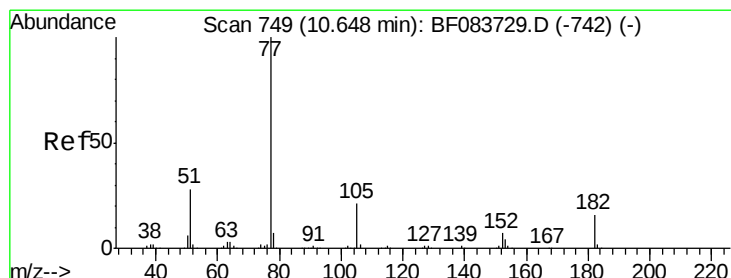
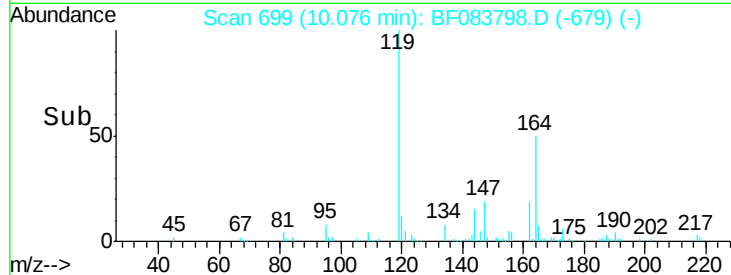
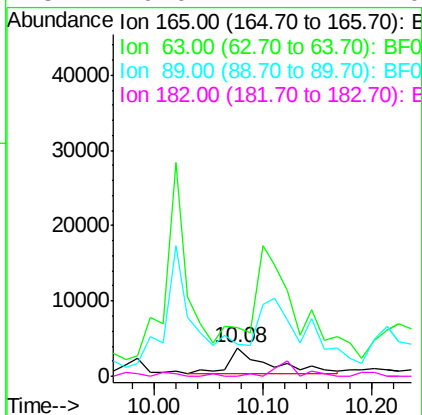
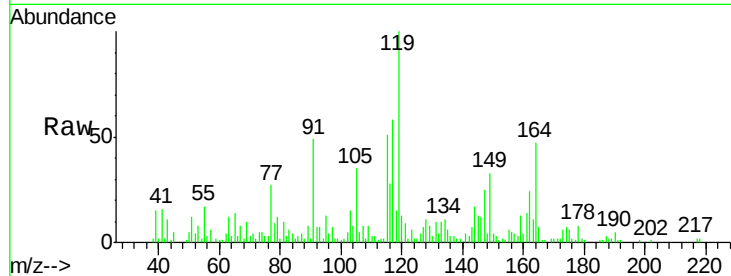




#56
 2,4-Dinitrotoluene
 Concen: 2.28 ng
 RT: 10.08 min Scan# 699
 Delta R.T. -0.07 min
 Lab File: BF083798.D
 Acq: 15 Dec 2015 4:57

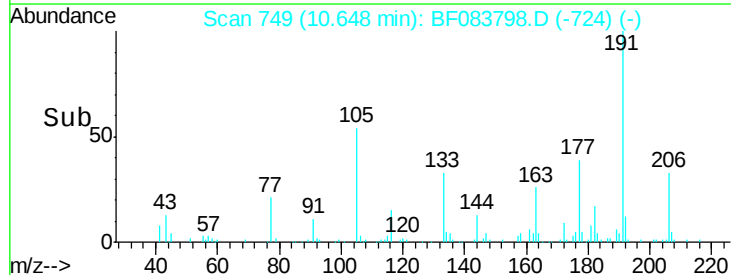
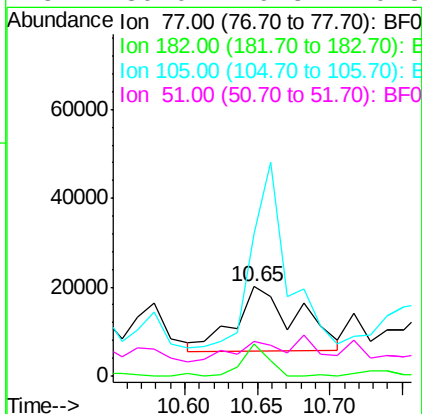
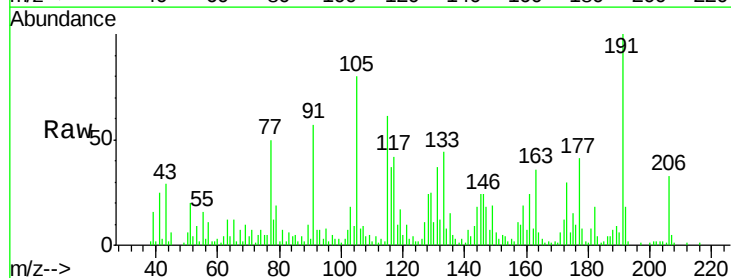
Instrument :
 BNA_F
 ClientSampleId :
 W-38

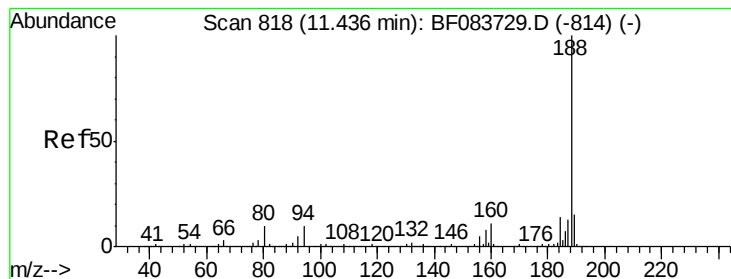
Tgt Ion: 165 Resp: 8837
 Ion Ratio Lower Upper
 165 100
 63 172.5 51.4 77.2#
 89 112.6 72.6 108.8#
 182 0.0 1.4 2.0#



#62
 Azobenzene
 Concen: 3.37 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: BF083798.D
 Acq: 15 Dec 2015 4:57

Tgt Ion: 77 Resp: 43415
 Ion Ratio Lower Upper
 77 100
 182 35.6 2.5 42.5
 105 159.4 2.1 42.1#
 51 39.0 9.3 49.3





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.43 min Scan# 817

Delta R.T. -0.02 min

Lab File: BF083798.D

Acq: 15 Dec 2015 4:57

Instrument :

BNA_F

ClientSampleId :

W-38

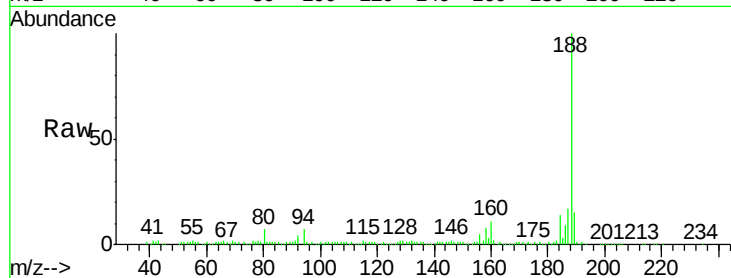
Tgt Ion:188 Resp: 356827

Ion Ratio Lower Upper

188 100

94 7.0 9.4 14.2#

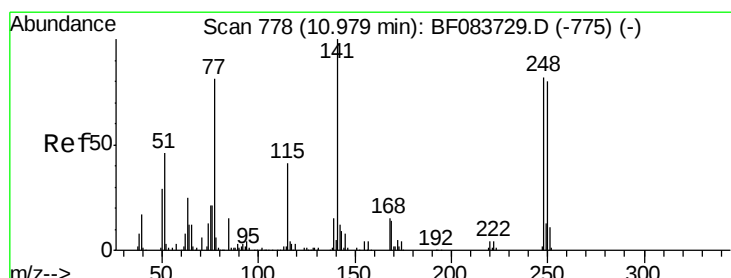
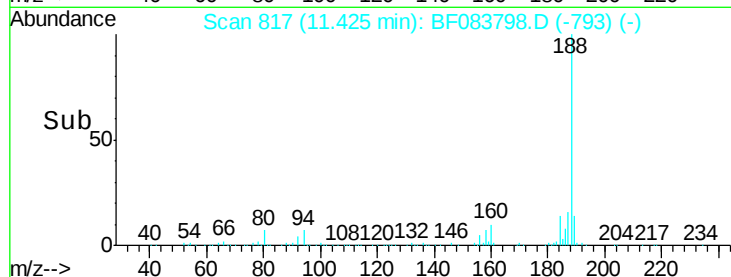
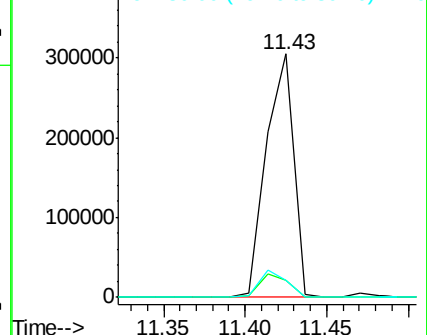
80 6.8 10.6 16.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66

4-Bromophenyl-phenylether

Concen: 4.21 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.26 min

Lab File: BF083798.D

Acq: 15 Dec 2015 4:57

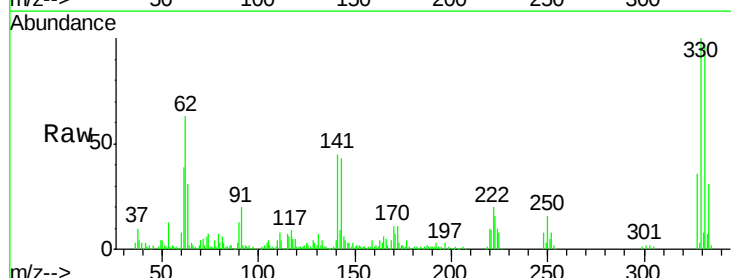
Tgt Ion:248 Resp: 16806

Ion Ratio Lower Upper

248 100

250 196.4 79.2 118.8#

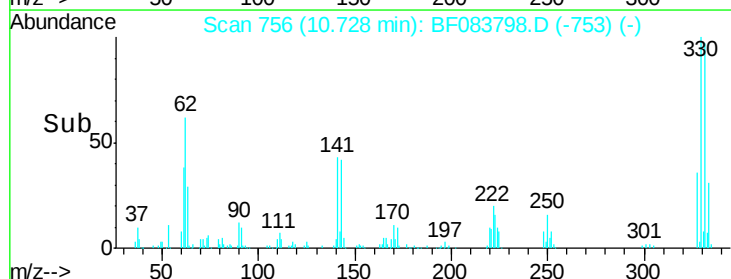
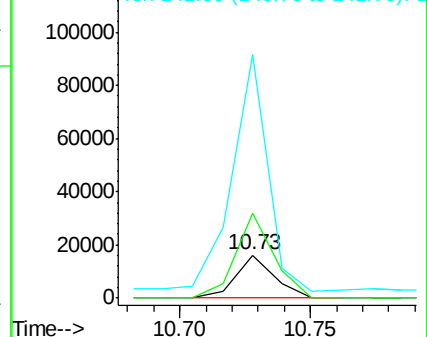
141 564.6 58.2 87.4#

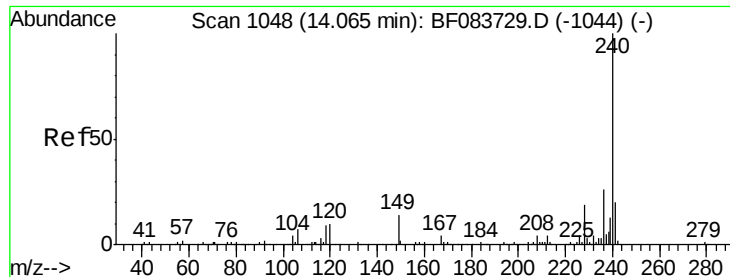


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.03 min

Lab File: BF083798.D

Acq: 15 Dec 2015 4:57

Instrument :

BNA_F

ClientSampleId :

W-38

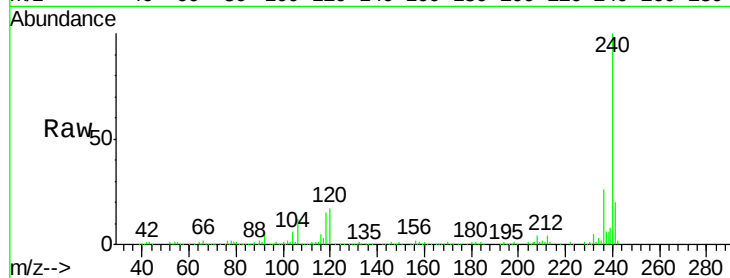
Tgt Ion:240 Resp: 278752

Ion Ratio Lower Upper

240 100

120 17.0 8.1 12.1#

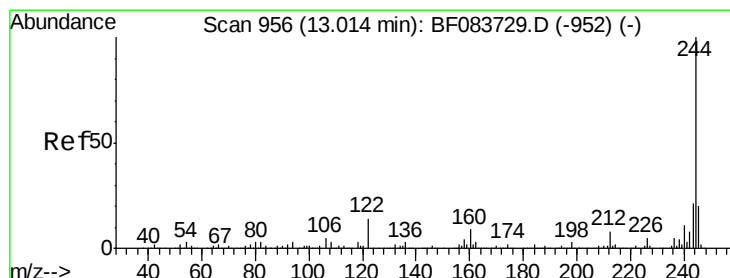
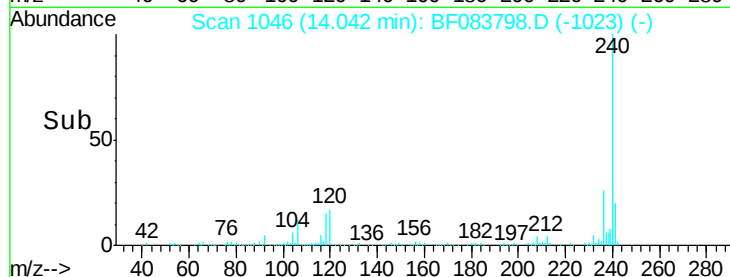
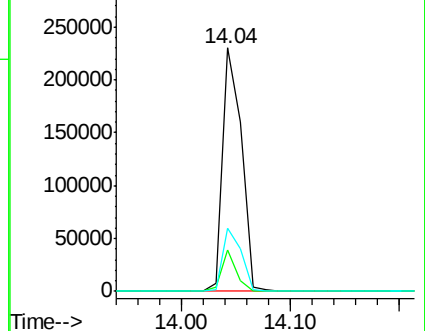
236 25.8 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 79.12 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.02 min

Lab File: BF083798.D

Acq: 15 Dec 2015 4:57

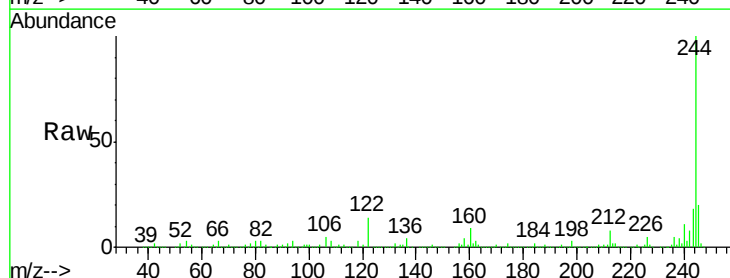
Tgt Ion:244 Resp: 1025330

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

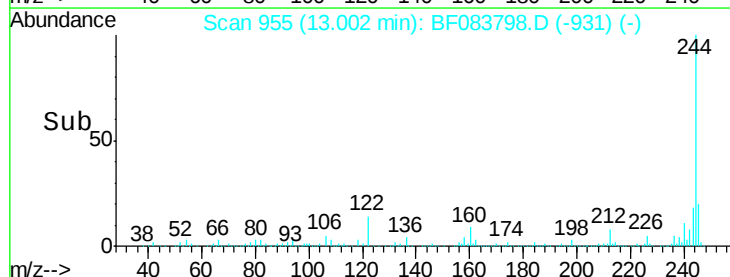
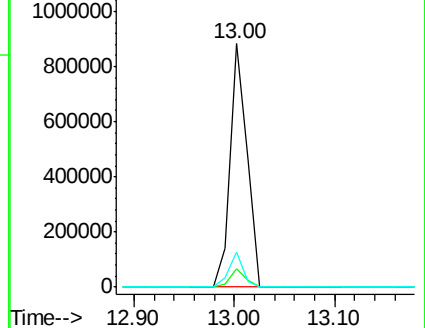
122 14.2 11.0 16.6

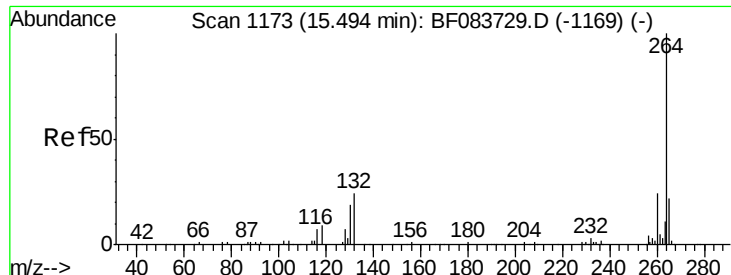


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

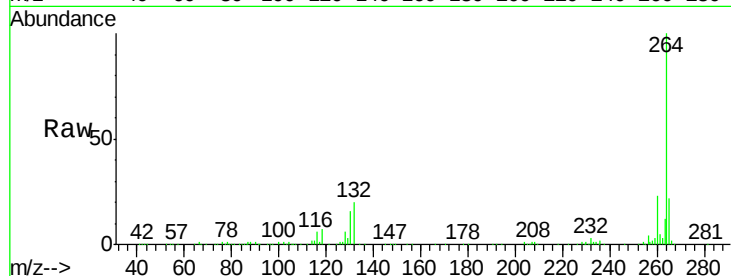




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF083798.D
Acq: 15 Dec 2015 4:57

Instrument :
BNA_F
ClientSampleId :
W-38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.0
265	21.5	17.8	26.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

